

MODEL: BS281

BENCH-TOP PICK & PLACE MACHINE



FEATURES

- Flying Vision for components from 0.6 mm x 0.3 mm (0201) to 16 mm x 14 mm
- Bottom Vision Camera for alignment of 01005, up to 0.5 fine pitch QFP & BGAs (option)
- 32 lane feeder bases mount at left and right of system for maximum capacity of 64 automatic 8 mm Tape Feeders
- Optional feeders and accessories allow a wide variety of configurations for full and partial reels of Tape, strips of Cut Tape, Stick / Tube, and IC Tray Packaging
- Programming via CAD Conversion, Direct Input, or Teaching/Fiducial Recognition Camera
- PC controller, monitor, and keyboard included with Easy-to-Use, Windows®XP-based control software
- Optional Dispensing system

AUTOTRONIK 281 model is especially designed for small volume batch sizes. This model features vision processing and head-mounted camera for non-contact "Vision on the Fly" alignment. It assures high-precision placement of a full range of SMDs, from the smallest 0201 devices through CSPs, μ BGAs, flip-chips, ultra-fine pitch 0.5mm for QFPs, even odd-form components.

Optional Bottom Vision Camera is used for large components up to 150 x 100 mm and devices with alignment features on their bottom side. With additional Bottom Vision Camera, the alignment of 01005 components is possible.

Optional Feeders and Accessories allow a wide variety of configurations for Full and Partial Reels of Tape, Strips of Cut Tape, Stick/Tube, and IC Tray Packaging.

SPECIFICATION

- Number of Heads (Vision on the Fly): 1
- Placement rate (under the optimum condition): 3000 cph, 2500 cph (IPC 9850)
- Feeder capacity (8 mm): up to 64 Tape Feeders
- IC Tray capacity: up to 3 Waffle Trays
- Component Sense: Vision detection
- Component Sizes
Handled by head camera:
 - Smallest: 0.6 x 0.3mm
 - Largest: 16 x 14 mm
 Handled by fixed Bottom Vision Camera (option):
 - Smallest: 0.4 x 0.2 mm
 - Largest: 150 x 100 mm
- Resolution:
 - X / Y axis 0.005 mm
 - Z axis 0.01 mm
- Rotation: 0 to 360° (0.09°/step)
- Placement Accuracy: +/- 0.05 mm
- X-Y Repeatability: +/- 0.01 mm
- Placement Area
 - without Waffle Tray
Max. 320 x 415 mm
 - with 1 Waffle Trays
Max. 320 x 270 mm
- Programming:
 - Direct input
 - Vision teach-in
 - CAD Access (Option)
- Main Control: Industrial PC
- Power supply: 100V - 240V
- Power: 1200W
- Pressure: 75 psi (5.5 bar), 100L/min
- Machine Size: 825 x 1060 x 590mm (L x W x H)
- Weight: 165 kg

We reserve the right to make changes without notice.



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